

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 047003-0108		SERIAL NO. 09/627,522		
<div style="display: flex; justify-content: space-between;"> <div style="text-align: left;"> <p>INFORMATION DISCLOSURE CITATION</p> <p>(Use several sheets if necessary)</p> </div> <div style="text-align: right;"> <p>APPLICANT Tayler et al.</p> <p>FILING DATE 06/22/1999</p> <p>GROUP ART UNIT 1745</p> </div> </div>								
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
<div style="font-size: 2em;">JO</div> <div style="border-left: 1px solid black; height: 100px; margin-left: 10px;"></div> <div style="font-size: 2em;">JO</div>		3,867,200	02/18/75	Daniels, Jr.	_____	_____		
		3,890,160	06/17/75	Daniels, Jr.	_____	_____		
		3,945,097	03/23/76	Daniels, Jr. et al.	_____	_____		
		3,947,936	04/06/76	Wheadon	_____	_____		
		4,125,690	11/14/78	Bagshaw et al.	_____	_____		
		4,228,580	10/21/80	Matter	_____	_____		
		4,279,977	07/21/81	Matter	_____	_____		
		4,342,343	08/03/82	Clague et al.	_____	_____		
		4,358,518	11/09/82	Matter	_____	_____		
		4,534,091	08/13/85	Kline	_____	_____		
	6,117,594	09/12/00	Taylor et al.	_____	_____			
	6,210,837	04/03/01	Bauer et al.	_____	_____			
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<div style="font-size: 2em;">JO</div> <div style="border-left: 1px solid black; height: 100px; margin-left: 10px;"></div> <div style="font-size: 2em;">JO</div>		DE 3045683	06/09/82	Germany	_____	_____		
		EP 0 506 323	09/30/92	Europe	_____	_____		
		EP 0 959 059	11/24/99	Europe	_____	_____		
		EP 0 969 108	01/05/00	Europe	_____	_____		
		GB 712 798	07/28/54	Great Britain - UK	_____	_____		
		JP 54 058624	05/11/79	Japan	_____	_____		
		JP 60 220561	11/05/85	Japan	_____	_____		
		WO 98/48468	10/29/98	PCT	_____	_____		
	WO 00/00651	01/06/00	PCT	_____	_____			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
<div style="font-size: 2em;">JO</div>		Mao, Larsen and Rao, J. Electrochem. Soc., Vol. 120 No. 1, pp. 11-17,						
		bearing a designation of "January 1973" (7 sheets)						
EXAMINER <div style="font-size: 1.5em;">JDore</div>				DATE CONSIDERED 10/01				
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.</p>								

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Tayler et al.	
		FILING DATE 06/22/1999	GROUP ART UNIT 1745
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
JO		Prengaman, The Battery Man, Vol. 39 No. 4, pp. 23-31, bearing a designation of "April 1997" (8 sheets)	
JO		Prengaman, J. Power Sources, No. 53, pp. 207-14, bearing a designation of "© 1995" (8 sheets) NO MONTH	
JO		Prengaman, Ullmann's Encyclopedia of Industrial Chemistry, 5th edition, Vol. A15, pp. 237-47, bearing a designation of "1990" (11 sheets) NO MONTH	
JO		Takahashi, Yasuda, Yonezu and Okamoto, J. Power Sources, No. 42, pp. 221-30, bearing a designation of "(1993)" (10 sheets) NO MONTH	
JO		Declaration of Rao, p. 4, for U.S. Patent Application Serial No. 07/852,803 (1 sheet) 12/13/99	
JO		Declaration of M. Eric Taylor, dated 11/16/00 (5 sheets)	
JO		Grid cracking study, bearing a designation of "5.6.01" (2 sheets) 5/6/01	
		Search report for European Patent Application. No. 99111286.3, titled ALLOY FOR BATTERY GRIDS, filed 06/10/99, by inventors Taylor, Korinek, Hansen and Tönnessen, dated 07/22/99 (2 sheets)	
		Search report for International Application No. PCT/US99/13381, titled ALLOY FOR BATTERY GRIDS, filed 06/14/99, by inventors Taylor, Korinek, Hansen and Toennessen, dated 09/21/99 (3 sheets)	
		U.S. Patent Application Serial No. 09/105,162, titled ALLOY FOR BATTERY GRIDS, as filed 06/26/98, by inventors Taylor, Korinek, Hansen and Toennessen (39 sheets)	
		U.S. Patent Application Serial No. 09/696,109, titled ALLOY FOR BATTERY GRIDS, as filed 06/22/99, by inventors Bauer, Taylor and Toennessen (39 sheets)	
JO JO		Declaration of M. Eric Taylor dated April 6, 2000	

Done 10/01



Sheet 1 of 2

Form PTO-1449
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
510553.90940SERIAL NO.
09/627,522INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
M. Eric Taylor *et al.*FILING DATE
July 28, 2000GROUP
1745

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

* EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
to	3,953,244	04/27/76	Prengaman	148	2	
to	5,093,970	03/10/92	Senoo et al.	20	2	
	5,120,620	06/09/92	Nelson et al.	420	225	
	5,126,217	06/30/92	Rao	429	149	
	5,128,218	07/07/92	Hokunaga et al.	420	57	
	5,298,350	03/29/94	Rao	429	245	
	5,434,025	07/18/95	Rao et al.	429	245	
	5,691,087	11/25/97	Rao et al.	420	245	
to	5,834,141	11/10/98	Anderson et al.	429	245	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
to	DE 27 58 940	07/05/79	Germany				X
to	EP 0 684 792 A1	11/06/98	EPO				
to	EP 0 655 792 A1	5-31-95	EPO				
to	WO 98/50972	11/12/98	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

to		English Abstract for German Patent No. DE 27 58 940
to		Borchers and Assmann, Z. Metallkunde 69 (1978), pages 43-49
to		D. Prengaman, 7th Int. Lead Conf. Pb'80, pages 34-47, (1980).
to		H. Gies in Proc. Symp. Advances in Lead Acid Batteries 84-14, Electrochemical Soc. (1984).
to		N.-Y. Tang <i>et al.</i> , 6th Asian Battery Conference (1995).
to		N.E. Bagshaw, Journal of Power Sources 53 (1995), pages 25-30.

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J. Dax

DATE CONSIDERED

5/02

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(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

* EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
yo	5,874,186	2/23/99	Bao et al.	429	242	
yo	4,939,051	7/3/90	Yasuda et al.	429	245	
yo	4,092,462	5/30/79	Cicco et al.	429		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
yo	1308023	11/28/73	Great Britain				
yo	1400339	7/9/73	Great Britain				
yo	2101563	2/1/74	France				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

yo		English Abstract for French Patent No. 2191563
yo		L. Bouirden et al., Journal of Power Sources 33 (1991), pages 27-56
yo		R. Prengaman, Journal of Power Sources 67 (1997), pages 267-278
yo		R. Miraglio et al., Journal of Power Sources 53 (1995), pages 53-61
yo		P. Simon et al., Journal of Power Sources 50 (1994), pages 141-152
yo		European Search Report dated 7/28/99 for EP Application No. 99 11 1286

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
510553.90940SERIAL NO.
Continuation of
09/337,830INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
M. Eric Taylor et al.FILING DATE
July 28, 2000GROUP
1745

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

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	5,126,217	06/30/92	Rao	429	149	
	5,128,218	07/07/92	Tokunaga et al.	429	57	
	5,298,350	03/29/94	Rao	429	245	
	5,434,025	07/18/95	Rao et al.	429	245	
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JO	PCT/US98/000000	01/29/99	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JO	Assmann and Borchers, Z. Metallkunde 69 (1978), pages 43-49.
JO	Prengaman 7th Int. Lead Conf. Pb 80, pages 34-47,
JO	H. Giess in Proc. Symp. Advances in Lead Acid Batteries 84-14, Electrochemical Soc. (1984).
JO	Gene Valeriotte, (1995) 6th Asian Battery Conference.
JO	N.E. Bagshaw, J. Power Sources, 53 (1995), pages 25-30.

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Form PTO-1449 (Rev. 2-88)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 510553.90940		SERIAL NO. Continuation of 09/337,830	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT M. Eric Taylor et al.		FILING DATE July 28, 2000	
(Use several sheets if necessary)				GROUP 1745			

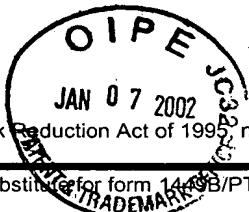
U.S. PATENT DOCUMENTS							
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JD	4,939,051	7-3-90	Yasuda et al.	429	245		
JD	4,092,462	5-30-78	Giess et al.	429	—		

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JD	1338823	11-28-73	Great Britain	—	—		
JD	1400339	7-9-75	Great Britain	—	—		
JD	2191563	2/1/74	France	—	—		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
JD	Bouirden, Hilger and Hertz, J. Power Sources 33 (1991), pages 27-50. /
JD	J. Power Sources 67, (1997) 267-278, /
JD	Miraglio et al., J. Power Sources 53, (1995), pages 53-60. /
JD	P. Simon, N. Bui and F. Dabosi, J. Power Sources, 50 (1994), pages 141-152. /
JD	International Search Report dated 7-28-1999 for EP Application No. 99 11 1286

EXAMINER JD	DATE CONSIDERED 5/02
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Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: December 19, 2001

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/627,522
Filing Date	07/28/2000
First Named Inventor	M. Eric Taylor et al.
Group Art Unit	1745
Examiner Name	Tracy Dove
Attorney Docket Number	054821-0110

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		/				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			/					

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
JD	A1	Declaration of Purushothama Rao dated "11/19/92" from U.S. Patent Application No. 07/852,803 (3 sheets).	
JD	A2	Declaration of Purushothama Rao dated "July 22, 93" from U.S. Patent Application No. 07/852,803 (28 sheets).	
JD	A3	Declaration of M. Eric Taylor dated "4/6/00" (3 sheets).	
		/	

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TC 1700

Examiner Signature

Date Considered

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: March 28, 2002 (use as many sheets as necessary)		Application Number	09/627,522
		Filing Date	07/28/2000
		First Named Inventor	Taylor et al.
		Group Art Unit	1745
		Examiner Name	Tracy Dove
Sheet 1 of 1	Attorney Docket Number	054821-0110	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TD	6,114,067			Knauer	9-5-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		<div style="text-align: center;"> RECEIVED APR 01 2002 TC 1700 </div>	

Examiner Signature	<i>TDove</i>	Date Considered	6/02
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